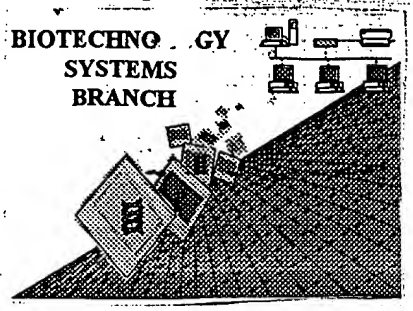
0282

BIOTECHNO . GY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/735,363

Source: OIPE

Date Processed by STIC: 12/27/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Error Summary

ERROR DETECTED **SUGGESTED CORRECTION** SERIAL NUMBER: 09/735,363

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ____	Wrapped Nucleics	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".
2 ____	Wrapped Aminos	The amino acid number/text at the end of each line "wrapped " down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".
3 ____	Incorrect Line Length	The rules require that a line not exceed 72 characters in length. This includes spaces.
4 ____	Misaligned Amino Acid Numbering	The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
5 ____	Non-ASCII	This file was not saved in ASCII (DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
6 ____	Variable Length	Sequence(s) ____ contain n's or Xaa's which represented more than one residue. As per the rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
7 ____	PatentIn ver. 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
8 ____	Skipped Sequences (OLD RULES)	Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS") (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: **This sequence is intentionally skipped** Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
9 ____	Skipped Sequences (NEW RULES)	Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence. <210> sequence id number <400> sequence id number 000
10 ____	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Use of <220> to <223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
11 ____	Use of <213>Organism (NEW RULES)	Sequence(s) _____ are missing this mandatory field or its response.
12 ____	Use of <220>Feature (NEW RULES)	Sequence(s) ____ are missing the <220>Feature and associated headings. Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown" **Please explain source of genetic material in <220> to <223> section.** (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
13 ____	PatentIn ver. 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.

OIPE

RAW SEQUENCE LISTING DATE: 12/27/2000
PATENT APPLICATION: US/09/735,363 TIME: 10:16:14

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\12272000\I735363.raw

pp. 1-5

3 <110> APPLICANT: Filion, Mario
4 Phillip, Nigel
6 <120> TITLE OF INVENTION: Therapeutically Useful Synthetic Oligonucleotides
8 <130> FILE REFERENCE: 02811-0181
OK 10 <140> CURRENT APPLICATION NUMBER: US/09/735,363
10 <141> CURRENT FILING DATE: 2000-12-12
10 <150> PRIOR APPLICATION NUMBER: 60/170,325
11 <151> PRIOR FILING DATE: 1999-12-13
13 <150> PRIOR APPLICATION NUMBER: 60/228,925
14 <151> PRIOR FILING DATE: 2000-08-29
16 <160> NUMBER OF SEQ ID NOS: 87
18 <170> SOFTWARE: PatentIn version 3.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 27
22 <212> TYPE: DNA
23 <213> ORGANISM: Synthetic Oligonucleotide
25 <400> SEQUENCE: 1
26 gtgtgtgtgt gtgtgtgtgt gtgtgtg 27
29 <210> SEQ ID NO: 2
30 <211> LENGTH: 27
31 <212> TYPE: DNA
32 <213> ORGANISM: Synthetic Oligonucleotide
34 <400> SEQUENCE: 2
35 gggtgggtgg gtgggtgggt gggtggg 27
38 <210> SEQ ID NO: 3
39 <211> LENGTH: 27
40 <212> TYPE: DNA
41 <213> ORGANISM: Synthetic Oligonucleotide
43 <400> SEQUENCE: 3
44 ggggggtggg gtgggggtgg gggtggg 27
47 <210> SEQ ID NO: 4
48 <211> LENGTH: 27
49 <212> TYPE: DNA
50 <213> ORGANISM: Synthetic Oligonucleotide
52 <400> SEQUENCE: 4
53 gggggggtgg gggggtgggg gggtggg 27
56 <210> SEQ ID NO: 5
57 <211> LENGTH: 27
58 <212> TYPE: DNA
59 <213> ORGANISM: Synthetic Oligonucleotide
61 <400> SEQUENCE: 5
62 tgtgtgtgtg tgtgtgtgtg tgtgtgt 27
65 <210> SEQ ID NO: 6
66 <211> LENGTH: 27
67 <212> TYPE: DNA
68 <213> ORGANISM: Synthetic Oligonucleotide
70 <400> SEQUENCE: 6

Does Not Comply
Corrected Diskette Needed

(global error)
per new Sequence Rules, the only valid responses are: Unknown, Artificial Sequence, or scientific name (Genus/species)

give source of genetic material (see circled portion of Item 12 on Error Summary Sheet)

RAW SEQUENCE LISTING DATE: 12/27/2000
PATENT APPLICATION: US/09/735,363 TIME: 10:16:14

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\12272000\I735363.raw

71 tctctctctc tctctctctc tctctct 27
74 <210> SEQ ID NO: 7
75 <211> LENGTH: 3
76 <212> TYPE: DNA
77 <213> ORGANISM: Synthetic Oligonucleotide
79 <400> SEQUENCE: 7
80 tgt 3
83 <210> SEQ ID NO: 8
84 <211> LENGTH: 3
85 <212> TYPE: DNA
86 <213> ORGANISM: Synthetic Oligonucleotide
88 <400> SEQUENCE: 8
89 gtg 3
92 <210> SEQ ID NO: 9
93 <211> LENGTH: 6
94 <212> TYPE: DNA
95 <213> ORGANISM: Synthetic Oligonucleotide
97 <400> SEQUENCE: 9
98 tgtgtg 6
101 <210> SEQ ID NO: 10
102 <211> LENGTH: 6
103 <212> TYPE: DNA
104 <213> ORGANISM: Synthetic Oligonucleotide
106 <400> SEQUENCE: 10
107 gtgtgt 6
110 <210> SEQ ID NO: 11
111 <211> LENGTH: 9
112 <212> TYPE: DNA
113 <213> ORGANISM: Synthetic Oligonucleotide
115 <400> SEQUENCE: 11
116 tgtgtgtgt 9
119 <210> SEQ ID NO: 12
120 <211> LENGTH: 9
121 <212> TYPE: DNA
122 <213> ORGANISM: Synthetic Oligonucleotide
124 <400> SEQUENCE: 12
125 gtgtgtgtg 9
128 <210> SEQ ID NO: 13
129 <211> LENGTH: 12
130 <212> TYPE: DNA
131 <213> ORGANISM: Synthetic Oligonucleotide
133 <400> SEQUENCE: 13
134 tgtgtgtgtg tg 12
137 <210> SEQ ID NO: 14
138 <211> LENGTH: 12
139 <212> TYPE: DNA
140 <213> ORGANISM: Synthetic Oligonucleotide
142 <400> SEQUENCE: 14
143 gtgtgtgtgt gt 12

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/735,363

DATE: 12/27/2000
TIME: 10:16:14

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\12272000\I735363.raw

<210> SEQ ID NO: 15
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<400> SEQUENCE: 15
tgtgtgtgtg tgtg 14

<210> SEQ ID NO: 16
<211> LENGTH: 15
<212> TYPE: DNA
<213> ORGANISM: Synthetic Oligonucleotide
<400> SEQUENCE: 16
gtgtgtgtgt gtgtg 15

<210> SEQ ID NO: 17
<211> LENGTH: 18
<212> TYPE: DNA
<213> ORGANISM: Synthetic Oligonucleotide
<400> SEQUENCE: 17
tgtgtgtgtg tgtgtgtg 18

<210> SEQ ID NO: 18
<211> LENGTH: 18
<212> TYPE: DNA
<213> ORGANISM: Synthetic Oligonucleotide
<400> SEQUENCE: 18
gtgtgtgtgt gtgtgtgt 18

<210> SEQ ID NO: 19
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Synthetic Oligonucleotide
<400> SEQUENCE: 19
tgtgtgtgtg tgtgtgtgtg t 21

<210> SEQ ID NO: 20
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Synthetic Oligonucleotide
<400> SEQUENCE: 20
gtgtgtgtgt gtgtgtgtgt g 21

<210> SEQ ID NO: 21
<211> LENGTH: 24
<212> TYPE: DNA
<213> ORGANISM: Synthetic Oligonucleotide
<400> SEQUENCE: 21
tgtgtgtgtg tgtgtgtgtg tgtg 24

<210> SEQ ID NO: 22
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<212> TYPE: DNA
<213> ORGANISM: Synthetic Oligonucleotide
<400> SEQUENCE: 22
gtgtgtgtgt gtgtgtgtgt gtgt 24

<210> SEQ ID NO: 23

RAW SEQUENCE LISTING DATE: 12/27/2000
PATENT APPLICATION: US/09/735,363 TIME: 10:16:14

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\12272000\I735363.raw

219 <211> LENGTH: 6
220 <212> TYPE: DNA
221 <213> ORGANISM: Synthetic Oligonucleotide
223 <400> SEQUENCE: 23
224 tttgtt 6
227 <210> SEQ ID NO: 24
228 <211> LENGTH: 6
229 <212> TYPE: DNA
230 <213> ORGANISM: Synthetic Oligonucleotide
232 <400> SEQUENCE: 24
233 ggtggg 6
236 <210> SEQ ID NO: 25
237 <211> LENGTH: 6
238 <212> TYPE: DNA
239 <213> ORGANISM: Synthetic Oligonucleotide
241 <400> SEQUENCE: 25
242 gggtgg 6
245 <210> SEQ ID NO: 26
246 <211> LENGTH: 6
247 <212> TYPE: DNA
248 <213> ORGANISM: Synthetic Oligonucleotide
250 <400> SEQUENCE: 26
251 ttgttt 6
254 <210> SEQ ID NO: 27
255 <211> LENGTH: 6
256 <212> TYPE: DNA
257 <213> ORGANISM: Synthetic Oligonucleotide
259 <400> SEQUENCE: 27
260 aagtaa 6
263 <210> SEQ ID NO: 28
264 <211> LENGTH: 6
265 <212> TYPE: DNA
266 <213> ORGANISM: Synthetic Oligonucleotide
268 <400> SEQUENCE: 28
269 ccgtcc 6
272 <210> SEQ ID NO: 29
273 <211> LENGTH: 6
274 <212> TYPE: DNA
275 <213> ORGANISM: Synthetic Oligonucleotide
277 <400> SEQUENCE: 29
278 tggttg 6
281 <210> SEQ ID NO: 30
282 <211> LENGTH: 6
283 <212> TYPE: DNA
284 <213> ORGANISM: Synthetic Oligonucleotide
286 <400> SEQUENCE: 30
287 atgtat 6
290 <210> SEQ ID NO: 31
291 <211> LENGTH: 6

RAW SEQUENCE LISTING DATE: 12/27/2000
PATENT APPLICATION: US/09/735,363 TIME: 10:16:14

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\12272000\I735363.raw

292 <212> TYPE: DNA
293 <213> ORGANISM: Synthetic Oligonucleotide
295 <400> SEQUENCE: 31
296 aggtga 6
299 <210> SEQ ID NO: 32
300 <211> LENGTH: 6
301 <212> TYPE: DNA
302 <213> ORGANISM: Synthetic Oligonucleotide
304 <400> SEQUENCE: 32
305 gagtga 6
308 <210> SEQ ID NO: 33
309 <211> LENGTH: 6
310 <212> TYPE: DNA
311 <213> ORGANISM: Synthetic Oligonucleotide
313 <400> SEQUENCE: 33
314 gggtct 6
317 <210> SEQ ID NO: 34
318 <211> LENGTH: 6
319 <212> TYPE: DNA
320 <213> ORGANISM: Synthetic Oligonucleotide
322 <400> SEQUENCE: 34
323 ccgtgg 6
326 <210> SEQ ID NO: 35
327 <211> LENGTH: 6
328 <212> TYPE: DNA
329 <213> ORGANISM: Synthetic Oligonucleotide
331 <400> SEQUENCE: 35
332 gggtcc 6
335 <210> SEQ ID NO: 36
336 <211> LENGTH: 6
337 <212> TYPE: DNA
338 <213> ORGANISM: Synthetic Oligonucleotide
340 <400> SEQUENCE: 36
341 ctgtct 6
344 <210> SEQ ID NO: 37
345 <211> LENGTH: 6
346 <212> TYPE: DNA
347 <213> ORGANISM: Synthetic Oligonucleotide
349 <400> SEQUENCE: 37
350 tcgttc 6
353 <210> SEQ ID NO: 38
354 <211> LENGTH: 6
355 <212> TYPE: DNA
356 <213> ORGANISM: Synthetic Oligonucleotide
358 <400> SEQUENCE: 38
359 cggtgc 6
362 <210> SEQ ID NO: 39
363 <211> LENGTH: 6
364 <212> TYPE: DNA

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY DATE: 12/27/2000
PATENT APPLICATION: US/09/735,363 TIME: 10:16:15

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\12272000\I735363.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:800 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86